

In the Specification:

Please replace the title at page 1, line 1, with the following rewritten title:

-- **METHOD AND APPARATUS FOR IMPROVING VISUAL PERCEPTION**

Please insert at page 1, line 2, the following paragraph:

-- **RELATED APPLICATIONS**

This application is a National Phase Application of PCT Patent Application No. PCT/IL2004/001012 having International Filing Date of November 4, 2004, which claims the benefit of U.S. Provisional Patent Application No. 60/517,095 filed on November 5, 2003. The contents of the above Applications are all incorporated herein by reference. --

Please replace the paragraph beginning at page 1, line 3, and ending at page 1, line 7, with the following rewritten paragraph:

-- **FIELD AND BACKGROUND OF THE INVENTION**

The present invention relates to methods and apparatus for improving visual perceptions in accordance with the techniques described in the above-cited related applications. The following background will be helpful in understanding the improvements of the present invention. --

Please replace the paragraph beginning at page 6, line 4, and ending at page 6, line 10, with the following rewritten paragraph:

-- **OBJECTS AND BRIEF SUMMARY OF THE PRESENT INVENTION**

An object of the present invention is to provide a method and apparatus for improving visual perception with respect to various types of eye conditions generally, but particularly with respect to amblyopia and myopia, with or without astigmatism.

According to a ~~broad one~~ aspect of the present invention, there is provided a method of improving the visual perception ability of a person with respect to a particular eye condition of at least one eye, comprising: --

Please insert at page 6, line 24, the following paragraph:

-- According to another aspect of the present invention, there is provided apparatus for improving the visual perception ability of a person with respect to a particular eye condition of at least one eye, comprising: a display device for displaying images to the person; an input device for displaying images to the person; training glasses to be worn by the person and having a reduced refraction with respect to at least one eye of the person; and a processor programmed such that: in an evaluation phase, before the training glasses have been applied to the person, the processor controls the display device to display to the person a plurality of images selected to test the visual perception ability of the person with respect to at least one visual defect, and utilizes responses inputted by the person via the input device to select another plurality of images designed to improve the visual perception ability of the person with respect to a detected visual defect; and in treatment phase, after the training glasses have been applied to the person, the processor controls the display device to display to the person the another plurality of images to thereby improve the visual perception ability of the person with respect to the detected visual defect. --

Please replace the paragraph beginning at page 6, line 24, and ending at page 7, line 2, with the following rewritten paragraph:

-- According to the preferred embodiments of the invention described below, the treatment phase includes a plurality of treatment sessions in each of which are displayed to the person a plurality of images designed to elicit responses to be used for selecting the plurality of images in a subsequent treatment session such as to progressively improve the visual perception ability of the person with respect to the detected visual defect. After at least one treatment session, the refraction of the training glasses is increased ~~or~~, decreased, or remains the same for the next treatment

session as determined in order to progressively improve the visual perception ability of the person with respect to the detected visual defect. At least one predetermined parameter of the plurality of images displayed in one treatment session is varied in the subsequent treatment session. --